BRAKEGATE LIMITED

6 Broad Street Place, London EC2M 7ND England

R.S.A.: P. O. Box 784521, Sandton 2146
Transvaal, South Africa
Tel: (27-11) 783-4313 • Tlx: 4-27165 SA

U.S.A.: P. O. Box 14085
West Allis, Wisconsin 53214
414/353-2020

November 20, 1985

Mr. E. E. Wang
J-M A/C PIPE CORPORATION
1051 Sperry Road
Stockton, CA 95206

Dear Mr. Wang:

Please find enclosed manufactuer supplied Material Safety Data Sheet to comply with OSHA enacted Hazard Communication Standard (29 CFR 1910.1200).

Should you have any questions or need further information, please advise us.

Sincerely yours,

BRAKEGATE LIMITED

B. Heering

Enclosure

NOV. 22 1985

Director: Bernard Heering

JMM 00000293

Δ π EXHIBIT 15
Deponent Reichert
Date 9-3-08 Rptr. BH
WWW.DEPOBOOK.COM

SC-JMM-3025

SC-SEC-0755

MATERIAL SAFETY DATA SHEET

MC-8-01046 pmg

SPEC./MSDS NUMBER	DATE
	Nov. 4, 1985

PRODUCT IDENTIFICATION

TRADE NAME	GENERIC NAME
Asbestos	Crocidolite Asbestos
MANUFACTURER'S NAME	CAS NUMBER
Griqualand Exploration & Finance Corp.	1332-21-4
ADDRESS (STREET)	PHONE NUMBER (EMERGENCY)
P.O. Box 69	(011-27-11)339-5458
CITY / STATE / ZIP	CHEMICAL STRUCTURE
Kuruman, Cape Province RSA	$Na_2Fe_5(OH)Si_4O_{11}$

I • PRODUCT INGREDIENTS

CHEMICAL AND/OR COMMON NAME	CAS NUMBER	%	TLV/PEL
Crocidolite Asbestos	1332-21-4	100.0	*
*Occupational Exposure Limits			
PEL / TLV			
2.0 f/cc - 8 hr. TWA / 0.2 f/cc			
Ceiling conc. / ACGIH, Documentation of			
10.0 f/cc / TLVs at 27			
OSHA Standard at			
29 CFR 1910.1001			
(Fibers measured are those longer than than 5 microns			

II • PHYSICAL DATA

BOILING POINT	VAPOR PRESSURE	SPECIFIC GRAVITY	MELTING POINT
n/a	n/a	3.2-3.3	n/a
SOLUBILITY IN WATER	VAPOR DENSITY (AIR=1)	PERCENT VOLATILE	EVAPORATION RATE (=1)
n/a	n/a	n/a	n/a

APPEARANCE AND ODOR

Blue fiberous dry material - no odor.

III • FIRE AND EXPLOSION DATA

FLASH POINT	FLAMMABLE LIMITS	LEL	UEL
n/a	n/a	n/a	n/a

EXTINGUISHING MEDIA

non-flammable

SPECIAL FIREFIGHTING PROCEDURES

none

UNUSUAL FIRE OR EXPLOSION HAZARDS

none

IV • HEALTH HAZARD INFORMATION

HAZARD BY ROUTES OF EXPOSURE (Indicate chronic and acute)

INHALATION-Chronic-Avoid inhalation. Overexposure can cause asbestosis, a scarring of the lungs Pleural thickening, effusion and plaques are nondisabling conditions, seen separately or together, that have been associated with exposure. The IARC has determined that there is sufficient evidence for the carcinogenicity of asbestos in humans. Caution is advise as breathing asbestos may cause serious bodily harm.

INGESTION

no increased hazard evidenced.

EYE

Acute- may cause eye irritation.

SKIN CONTACT/ABSORPTION

Acute- may cause skin irritation.

SIGNS AND SYMPTOMS ASSOCIATED WITH EXPOSURE OVER TLV-Asbestosis is associated with symptoms of labore breathing, chest pain, weakness and chest tightness. Symptoms are not usually manifest until 15-20 years after exposure.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED

Respiratory ailments.

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ANY OF PART I LISTED AS CARCINOGENS? (NTP, IARC, OSHA)

NOV. 22 1985

Yes

HEALTH HAZARD INFORMATION CONTINUED ON BACK

V • HEALTH HAZARD INFORMATION (Continued)

EMERGENCY/FIRST AID PROCEDURES

INHALATION -Avoid breathing dust when handling, dumping, and mixing. Use respirator if airborne concentrations exceed OSHA limits (see Sec. VI).

INGESTION

EYE CONTACT
In case of eye irritation, gently rinse with water. If irritation persists get medical help.

SKIN CONTACT
Remove slivers from skin promptly. If irritation persists get medical help.

SKIN ABSORPTION
n/a

VI • CONDITIONS FOR SAFE USE (When over TLV)

RESPIRATORY PROTECTION -Reusable or single use air purifying respirator-for exposures which do not exceed the PEL (see Sec. I) by more than 10X. Powered air purifying respirator-for exposures more than 10X but less than 100X the PEL. Type "C" continous flow or pressure demand, supplied air respirator for exposures more than 100X the PEL. All respirators must be NIOSH approved.

EYE PROTECTION
see "Other.." this Sec.)

PROTECTIVE GLOVES
(see "Other.." this Sec.)

OTHER PROTECTIVE CLOTHING/EQUIPMENT -If the ceiling concentration (see Sec.I) limit is exceeded, clothing providing whole body covering must be supplied and its use required.

VENTILATION REQUIREMENTS -Local ventilation if engineering controls are inadequate. (see OSHA Title 29 CFR Part 1910.1001, c (i), (ii).

VII • REACTIVITY DATA

IS MATERIAL STABLE?	WILL HAZARDOUS POLYMERIZATION OCCUR?
Yes	No
INCOMPATIBILITY	**CONDITIONS TO AVOID**
n/a	*Avoid creating and breathing dust.*

HAZARDOUS DECOMPOSITION PRODUCTS
none

VIII • SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED -Avoid creating or breathing dust. Collect dust by HEPA vacuum or in wet state (wet sweeping, wet wiping) to prevent emission of airborne fibers.

WASTE DISPOSAL METHOD-Bags, waste and scrap should be disposed of in a manner which all avoid airborne concentrations of asbestos, such as the use of dust-tight trash bags or containers. Ensure that disposal complies with all applicable federal, state and local regulations.

RCRA REGULATED ☐ Yes ☐ No	RCRA NUMBER	CERCLA (Superfund) REPORTABLE QUANTITY	
DOT REGULATED ☒ Yes ☐ No	DOT PROPER SHIPPING NAME Asbestos	DOT HAZARD CLASS ORM-C	DOT NUMBER -

IX • SPECIAL PRECAUTIONS

SPECIAL PRECAUTIONS FOR HANDLING AND STORAGE-Do not create or breath dust. Do not dry sweep or use air hose for cleaning. Do not take protective clothing or equipment home. Use no hooks in loading or unloading. Protect containers from damage. Prevent dust release without providing proper enclosure or control measures. Use dust supression control measures, such as ventilation or wetworking at all stages of handling, use and disposal. Follow good housekeeping practices, such as wet wiping dusty surfaces, to prevent accumulation of asbestos containing dust. Avoid inhalation.

OTHER PRECAUTIONS -Substantial medical evidence indicates that smoking increases the risk from asbestos exposure. Those working with asbestos should not smoke.

PREPARED BY	PHONE NO.	TITLE

JMM 00000295

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, THE MANUFACTURER MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

MATERIAL SAFETY DATA SHEET

SPEC./MSDS NUMBER	DATE
	Nov. 4, 1985

PRODUCT IDENTIFICATION

TRADE NAME	GENERIC NAME
Asbestos	Chrysotile Asbestos
MANUFACTURER'S NAME - Minerals Marketing Corp. of Zimbabwe as agents for Shabanie & Mashaba Mines (Pvt) Ltd.	CAS NUMBER [illegible]
ADDRESS (STREET) P.O. Box 552	PHONE NUMBER (EMERGENCY) (011-263-9) 76635
CITY Bulawayo, Zimbabwe STATE ZIP	CHEMICAL STRUCTURE $Mg_3(Si_2O_5)(OH)_4$

I • PRODUCT INGREDIENTS

CHEMICAL AND/OR COMMON NAME	CAS NUMBER	%	TLV/PEL
Asbestos	12001-29-5	100.0	*
*Occupational Exposure Limits			
PEL	TLV		
2.0 f/cc -8 hr. TWA	2.0 f/cc		
Ceiling conc.	ACGIH, Documentation of		
10.0 f/cc	TLV's at 27		
OSHA Standard			
at 29 CFR 1910.1001			

II • PHYSICAL DATA

BOILING POINT	VAPOR PRESSURE	SPECIFIC GRAVITY	MELTING POINT
n/a	n/a	2.4-2.6	n/a
SOLUBILITY IN WATER	VAPOR DENSITY (AIR = 1)	PERCENT VOLATILE	EVAPORATION RATE (= 1)
n/a	n/a	n/a	n/a

APPEARANCE AND ODOR
white fiberous dry material - no odor

III • FIRE AND EXPLOSION DATA

FLASH POINT	FLAMMABLE LIMITS	FLAMABLE LIMITS	LEL	UEL
n/a	n/a	n/a	n/a	n/a

EXTINGUISHING MEDIA
non-flammable. No fire or explosion hazard.

SPECIAL FIREFIGHTING PROCEDURES
none

UNUSUAL FIRE OR EXPLOSION HAZARDS
none

IV • HEALTH HAZARD INFORMATION

HAZARD BY ROUTES OF EXPOSURE (Indicate chronic and acute)

INHALATION - Chronic - Avoid inhalation. Overexposure can cause asbestosis, a scarring of the lungs. Pleural thickening, effusion and plaques are nondisabling conditions, seen separately or together that have been associated with exposure. The IARC has determined that there is sufficient evidence for the carcinogenicity of asbestos to humans. Caution is advised as breathing asbestos may cause serious bodily harm.

INGESTION
no increased hazard evidenced.

EYE
Acute - may cause eye irritation.

SKIN CONTACT/ABSORPTION
Acute - may cause skin irrirarion.

SIGNS AND SYMPTOMS ASSOCIATED WITH EXPOSURE OVER TLV - Asbestosis is associated with symptoms of labored breathing, chest pain, weakness and chest tightness. Symptoms are not usually manifest until 15-20 years after exposure.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED
Respiratory ailments.

JMM 00000296

ANY OF PART I LISTED AS CARCINOGENS? (NTP, IARC, OSHA)
Yes

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HEALTH HAZARD INFORMATION CONTINUED ON BACK

V • HEALTH HAZARD INFORMATION (Continued)

EMERGENCY/FIRST AID PROCEDURES

INHALATION -Avoid breathing dust when handling,dumping,and mixing. Use respirator if airborne concentrations exceed OSHA limits (see Sec. VI).

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EYE CONTACT
In case of eye irritation, gently rinse with water. If irritation persists get medical help.

SKIN CONTACT
Remove asbestos slivers from skin promptly. If irritation persists get medical help.

SKIN ABSORPTION
n/a

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EYE PROTECTION
see "Other.." this Sec.)

PROTECTIVE GLOVES
(See "Other.." this Sec.)

OTHER PROTECTIVE CLOTHING/EQUIPMENT -If the ceiling concentration (see Sec. 1) limit is exceeded,clothing providing whole body covering must be supplied and its use required.

VENTILATION REQUIREMENTS-Local ventilation if engineering controls are inadequate. (See Title 29 CFR Part 1910.1001, c (i) & (ii)).

VII • REACTIVITY DATA

IS MATERIAL STABLE?	WILL HAZARDOUS POLYMERIZATION OCCUR?
Yes	No
INCOMPATIBILITY	**CONDITIONS TO AVOID**
n/a	Avoid creating and breathing dust.

HAZARDOUS DECOMPOSITION PRODUCTS
None

VIII • SPILL OR LEAK PROCEDURES

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